Myford

ML7 HEAVY DUTY LATHE

7” SWING OVER BED
10” SWING IN GAP
BED
Made of close grained iron, heavily ribbed to withstand torsion and scientifically designed to eliminate deflection.

HEADSTOCK
Designed for maximum rigidity and heavy loads; compact back gearing below spindle, with conveniently placed lever.

MOTORISING UNIT
Built on to back of lathe bed, incorporating motor platform, provides self-contained machine in minimum space.
HEAVY DUTY LATHE

ADMITTING 20" OR 32" BETWEEN CENTRES

Either changewheels or quick change gearbox for leadscrew drive. Drive either Tri-leva Speed Selector or plain or with clutch.

CARRIAGE
Boring table type cross slide of large area. Saddle clamp for facing. Peel-off shim adjustment for saddle keep plates.

TOP SLIDE
Arranged to swivel 63° either way, with graduated base; Universal tool clamp plus provision for four tool turret.

TAILSTOCK
Quick action lever clamping to bed; thumb lever for barrel clamping; positive set-over for taper turning.
**TYPES AVAILABLE**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>Description</th>
<th>Between Centres</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/001</td>
<td>ML7</td>
<td>Basic Machine</td>
<td>20&quot;</td>
</tr>
<tr>
<td>10/002</td>
<td>ML7</td>
<td>Basic Machine with 1466 clutch fitted</td>
<td>20&quot;</td>
</tr>
<tr>
<td>10/003</td>
<td>ML7B</td>
<td>Quick Change Lathe</td>
<td>20&quot;</td>
</tr>
<tr>
<td>10/004</td>
<td>ML7B</td>
<td>Quick Change Lathe with 1466 clutch fitted</td>
<td>20&quot;</td>
</tr>
<tr>
<td>10/007</td>
<td>ML7</td>
<td>Basic Machine</td>
<td>32&quot;</td>
</tr>
<tr>
<td>10/008</td>
<td>ML7</td>
<td>Basic Machine with 1466 clutch fitted</td>
<td>32&quot;</td>
</tr>
<tr>
<td>10/009</td>
<td>ML7B</td>
<td>Quick Change Lathe</td>
<td>32&quot;</td>
</tr>
<tr>
<td>10/010</td>
<td>ML7B</td>
<td>Quick Change Lathe with 1466 clutch fitted</td>
<td>32&quot;</td>
</tr>
<tr>
<td>10/015</td>
<td>ML7T</td>
<td>Tri-Leva Speed Selector Lathe (Changewheel machine)</td>
<td>20&quot;</td>
</tr>
<tr>
<td>10/016</td>
<td>ML7BT</td>
<td>Tri-Leva Speed Selector Lathe with quick change gearbox</td>
<td>20&quot;</td>
</tr>
<tr>
<td>10/017</td>
<td>ML7T</td>
<td>Tri-Leva Speed Selector Lathe (Changewheel machine)</td>
<td>32&quot;</td>
</tr>
<tr>
<td>10/018</td>
<td>ML7BT</td>
<td>Tri-Leva Speed Selector Lathe with quick change gearbox</td>
<td>32&quot;</td>
</tr>
</tbody>
</table>

**SPECIFICATION (mc/s admitting 20")**

**BED**
- Overall Length: 3 ft. 0 in.
- Width across shears: 4½ in.
- Depth of Shears: 7 in.
- Swing over bed: 7 in.
- Maximum admitted between centres: 1 ft. 8 in.
- Swing in gap: 10 in.
- Swing in gap in front of faceplate: 13½ in.
- Depth of Bed: 5½ in.

**HEADSTOCK**
- Centre height: 3½ in.
- Length of seating: 7½ in.
- Width of seating: 4½ in.
- Front Bearing: 1½ in. dia. x 2 in.
- Rear bearing: 1 in. dia. x 1½ in.
- Ball thrust: 1½ in.
- Spindle nose register: 1½ in. dia. x 6 in. long
- Spindle nose thread: 1½ in. dia. x 12 TPI
- Spindle nose bore: No. 2 MT
- Hole through spindle: 1½ in.
- Backgear reduction: 5-78 to 1
- Size of headstock vee belt: ½ in., "A" Section
- Faceplate (8 slots): 6½ in. dia.

**CARRIAGE**
- Area of saddle bearing on bed: 19 sq. in.
- Swing over cross slide: 4½ in. dia.
- Cross slide travel: 5 in.
- Area of cross slide top (boring table area): 30 sq. in.
- Top slide travel: 2½ in.
- Top slide swings either side of zero: 63º
- Top slide and cross slide feed screws: 10 TPI Acme
- Micrometer dials (½ in. dia.): 0.001 in.
- Leadscrew: 8 TPI Acme
- Standard screwcutting range: 6-112 TPI
- Standard screwcutting range: 25 to 4 mm
- Standard finest feed: 0.037 in. per rev.

**TAILSTOCK**
- Barrel bored: No. 2 MT
- Barrel bored through: ½ in. dia.
- Barrel travel: 2½ in.
- Set over to front: 1 ft. 8½ in.
- Set over to rear: 9½ in.

**OVERALL MEASUREMENTS AND WEIGHTS**
- Length of lathe including guard: 3 ft. 5 in.
- Width of lathe including motor, with cross slide full out: 2 ft. 1½ in.
- Width of lathe including motor, with cross slide in: 1 ft. 8½ in.
- Height of lathe from bench to centre point: 9½ in.
- Net weight of bench lathe with motorising equipment, but less electric motor: 163 lb.
- Overall length of cabinet stand: 3 ft. 6 in.
- Height (to top of jack screws): 2 ft. 1½ in.
- Overall width of cabinet stand: 1 ft. 3½ in.
- Net weight of cabinet stand: 120 lb.

**SPECIFICATION, Long Bed Machines:**
- Overall bed length, maximum admitted between centres, length of Lathe including guard, overall length of cabinet stand, all increased by 12".
- Nett weight of bench Lathe, less motor 196 lbs.
- Nett weight of cabinet stand 150 lbs.

**STANDARD EQUIPMENT**
(except Quick Change Machines) includes:
- ¾ in. diameter faceplate, catchplate, 4 in. diameter backplate, set of 14 changewheels and spacer, changewheel guard, two double-ended spanners, 1½ in. B.S.F., ¾ in. B.S.F., and ½ in. B.S.F., x ¾ in. B.S.F., key for backgear lock, key for bearing cap screws, key for grub screws, oil gun, screw-cutting chart, centres for headstock and tailstock, two belt guards, vee belts and motor pulley.

**LEADING DIMENSIONS STANDARD BED LATHE**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>3 ft. 5 in.</td>
</tr>
<tr>
<td>Width</td>
<td>2 ft. 1½ in.</td>
</tr>
<tr>
<td>Height</td>
<td>9½ in.</td>
</tr>
</tbody>
</table>
ML7T & ML7BT
TRI-LEVA SPEED SELECTOR
LATHES

PATENT No. 818947

give

Instant spindle speed Selection

Nos. 10/015
10/016
10/017
10/018

Nos. 10/015 and 10/017, both type ML7T, admitting 20" and 32"
respectively between centres, have the drive to the leadscrew by
cchangewheels.

Nos. 10/016 and 10/018, both type ML7BT, admitting 20" and 32"
respectively, have the quick change gearbox for the leadscrew drive.

As the name implies, three levers are used for spindle speed
selection. The incorporation of the unit does not, in any way,
affect either the backgearing or the drive to the leadscrew.

Speed changing is virtually instantaneous with the TRI-LEVA.
Fingertip depression of any one of the conveniently placed selector
levers engages the chosen speed on the cone pulley, and automati-
cally disengages the previous speed. Only one motion is required—
there is no guard opening or belt slackening procedure involved.
It is not even necessary to disengage the speed already in use. The
TRI-LEVA does that for you. SIMPLY DEPRESS THE LEVER.
AND THE SPEED IS CHANGED.

With all the levers in the disengaged position the Lathe spindle is
disconnected from the countershaft and remains completely free
from belt drag, the belts being "trapped" clear of the pulleys.
Thus rotation by hand is easy and greatly facilitates "clocking" with
a dial gauge, marking out, setting up, etc.

With all the levers depressed, the Lathe spindle is held stationary
by the combined grip of all three belts. This provides a convenient
light hold during such operations as hand tapping, marking out,
etc., and when working with Myford Patent Collets, giving the
required friction to enable the collet nose cap to be tightened or
released.

Partial depression of any of the levers will permit "slipping" of the
drive. The levers afford a sensitive control of the amount of slip,
making this feature very useful when tapping blind holes, threading
to shoulders with button dies, etc.

The back gear key is still just as accessible being covered by a
hinged guard.
No. 10/004 type ML7B Quick Change Lathe admitting 20" between centres fitted with countershaft clutch.

A chart inside the hinged guard covering the input drive gears shows the set-up for 29 metric threads from 0.2 mm. to 4.0 mm. pitch. Twenty three of these pitches, from 0.2 mm. to 3.0 mm. can be obtained merely by manipulating the levers and altering the first driving gear. The book of operating instructions supplied with the gearbox includes a reproduction of the metric chart, also charts for the cutting of B.A. threads from 0 to 12 and to simplify the cutting of worms, from 16 to 120 D.P., and 0.2 to 1.0 module. On certain of the pitches special changewheels are required and these are available.

Many of the diametral pitches are covered by the 1481 metric conversion set but others, also all the module and B.A. pitches, require special changewheels in addition.

Standard Equipment

Faceplate, Catchplate, Backplate, Spanners, Oilgun, Guards, Sight Feed Lubricators, Box Chart for threads (T.P.I.) and feeds also Metric Screwcutting Chart.

No. 10/004 type ML7B Quick Change Lathe admitting 20" between centres fitted with countershaft clutch.

A chart inside the hinged guard covering the input drive gears shows the set-up for 29 metric threads from 0.2 mm. to 4.0 mm. pitch. Twenty three of these pitches, from 0.2 mm. to 3.0 mm. can be obtained merely by manipulating the levers and altering the first driving gear. The book of operating instructions supplied with the gearbox includes a reproduction of the metric chart, also charts for the cutting of B.A. threads from 0 to 12 and to simplify the cutting of worms, from 16 to 120 D.P., and 0.2 to 1.0 module. On certain of the pitches special changewheels are required and these are available.

Many of the diametral pitches are covered by the 1481 metric conversion set but others, also all the module and B.A. pitches, require special changewheels in addition.

No. 10/004 type ML7B Quick Change Lathe admitting 20" between centres fitted with countershaft clutch.

A chart inside the hinged guard covering the input drive gears shows the set-up for 29 metric threads from 0.2 mm. to 4.0 mm. pitch. Twenty three of these pitches, from 0.2 mm. to 3.0 mm. can be obtained merely by manipulating the levers and altering the first driving gear. The book of operating instructions supplied with the gearbox includes a reproduction of the metric chart, also charts for the cutting of B.A. threads from 0 to 12 and to simplify the cutting of worms, from 16 to 120 D.P., and 0.2 to 1.0 module. On certain of the pitches special changewheels are required and these are available.

Many of the diametral pitches are covered by the 1481 metric conversion set but others, also all the module and B.A. pitches, require special changewheels in addition.

Standard Equipment

Faceplate, Catchplate, Backplate, Spanners, Oilgun, Guards, Sight Feed Lubricators, Box Chart for threads (T.P.I.) and feeds also Metric Screwcutting Chart.

No. 10/004 type ML7B Quick Change Lathe admitting 20" between centres fitted with countershaft clutch.

A chart inside the hinged guard covering the input drive gears shows the set-up for 29 metric threads from 0.2 mm. to 4.0 mm. pitch. Twenty three of these pitches, from 0.2 mm. to 3.0 mm. can be obtained merely by manipulating the levers and altering the first driving gear. The book of operating instructions supplied with the gearbox includes a reproduction of the metric chart, also charts for the cutting of B.A. threads from 0 to 12 and to simplify the cutting of worms, from 16 to 120 D.P., and 0.2 to 1.0 module. On certain of the pitches special changewheels are required and these are available.

Many of the diametral pitches are covered by the 1481 metric conversion set but others, also all the module and B.A. pitches, require special changewheels in addition.

Standard Equipment

Faceplate, Catchplate, Backplate, Spanners, Oilgun, Guards, Sight Feed Lubricators, Box Chart for threads (T.P.I.) and feeds also Metric Screwcutting Chart.

No. 10/004 type ML7B Quick Change Lathe admitting 20" between centres fitted with countershaft clutch.

A chart inside the hinged guard covering the input drive gears shows the set-up for 29 metric threads from 0.2 mm. to 4.0 mm. pitch. Twenty three of these pitches, from 0.2 mm. to 3.0 mm. can be obtained merely by manipulating the levers and altering the first driving gear. The book of operating instructions supplied with the gearbox includes a reproduction of the metric chart, also charts for the cutting of B.A. threads from 0 to 12 and to simplify the cutting of worms, from 16 to 120 D.P., and 0.2 to 1.0 module. On certain of the pitches special changewheels are required and these are available.

Many of the diametral pitches are covered by the 1481 metric conversion set but others, also all the module and B.A. pitches, require special changewheels in addition.

Standard Equipment

Faceplate, Catchplate, Backplate, Spanners, Oilgun, Guards, Sight Feed Lubricators, Box Chart for threads (T.P.I.) and feeds also Metric Screwcutting Chart.
20/038 Tray Top Cabinet Stand, fitted with two cork mats, deep tray (No. 20/024), raising blocks (No. 20/025) and terminal block only. Height (to top of jack screws) ..... 34½" Overall length ..... 42" Overall width ..... 15½" For long bed machines No. 20/038L

20/023 This is as 20/038 but fitted with drum type reversing switch, which is wired to terminal block. (See illustration for position). For long bed machines No. 20/023L

20/039 As 20/038 but fitted with push button starter incorporating overload and no-volt release, with wiring to terminal block (see illustration for position). For long bed machines No. 20/039L

20/040 As 20/038 but fitted with drum type reversing switch and push button starter incorporating overload and no-volt release with wiring to terminal block. For long bed machines No. 20/040L.

When ordering the above Stands, specify voltage and phase so that we can arrange accordingly.

1486/1 Industrial Stand with isolator, rotary reversing switch for Lathe drive motor, shelf in tool locker, lock and two keys for locker door, and cork mat for open front shelves.

1486/2 Industrial Stand as above, but with push button starter and no-volt and overload releases.

1486/3A Industrial Stand as above, complete with full coolant equipment, including pump, tank, delivery and return pipes, delivery fitting for saddle with bracket, cock and telescopic pipe, pump switch, push button starter, reversing switch and isolator:

1486/3B for three phase, with coolant tank, mounted internally.

1486/3C for three phase, with coolant tank, mounted externally.

1486/3D for single phase, with coolant tank, mounted externally.

1487 Splash Guard.

1488/A for three phase, with coolant tank, mounted internally.

1488/B for single phase.

Coolant equipment including pump, tank, delivery and return pipes, delivery fitting for saddle with bracket, cock and telescopic pipe, also pump switch built into pump.

1488/A for three phase.

1488/B for single phase.
Swing contact. The clutch is particularly desirable when using the higher speeds which would otherwise result in a higher starting load. Single phase motors especially benefit by its use.

Drum type reversing switch No. 60/004 is a universal switch suitable for single phase or three phase A.C., also for D.C. It can be bench or wall mounted and in the case of change wheel drive lathes it can be mounted on brackets No. 1274 attached to the Lathe bed just below the headstock. Where the drum type reversing switch and motor are ordered with the Lathe, wiring from switch to motor is included and is protected in flexible metallic conduit.

3-jaw lever scroll chucks with two sets of jaws, one for inside and one for outside, are available in sizes 3", 4", and 512". When supplied with a Lathe they can be fitted to the standard equipment backplate, otherwise they can be fitted to an extra backplate,

4-jaw independent chucks with reversible jaws are available in 4" and 6" sizes. Again, appropriate backplates are available.

4-jaw drill chucks of the key type with No. 2 morse taper arbors can be supplied in sizes 0", 1", and 2".

3-jaw drill chucks of the key type with No. 2 morse taper arbors can be supplied in sizes 0", 1", and 2".

Geared scroll chucks, sizes 4" and 4 1/2" and 4-jaw independent chucks size 6" only, are available with threaded bodies to screw directly on to the spindle nose. This design eliminates the separate backplates resulting in increased rigidity and reduced overhang.

No. 633. Parting Tool Holder with one 5/16" x 1/16" blade, height from base to point 7/16".

Adjustable Boring Bars, each complete in box with two cutters, spanner and hexagon key.

No. 33/011 Bar 9/16" dia. x 7", cutter 1/2" square.
No. 33/012 Bar 7/16" dia. x 5/1", cutter 3/16" square.
No. 33/013 Bar 5/16" dia. x 4", cutter 1/4" square.

TRIPAN Interchangeable Toolholders

No. 111 Toolholder Body
No. 131 Standard Toolholder for 2" Tools.
No. 132 Boring Toolholder takes 8" dies.shanks.
No. 134 Parting Toolholder with one 3" blade.

For production work the range of equipment includes lever operated collet attachments, cut-off slide, 1408 turret attachment, illustrated above, and multi-stop. With this equipment components normally produced on a Capstan Lathe can be made on the ML7. For the turret attachment, which is shown above fitted with a range of tooling, we can supply items as follows:-

1A tap holder
2A die holder
6A adjustable stop
9A plain round drillholder
12A drilling and facing toolholder
13A drilling and turning toolholder
16A recessing toolholder
17A small drillholder
20A box turning toolholder with vee steadies
28A adjustable knurling toolholder
59A floating holder
1/" capacity roller steady box toolholder
3" type C.H.S. self releasing diehead
Dies for above, standard threads.

The multi-stop, No. 1483, is bolted on to the back of the bed, and to the saddle, beneath the rear strip. Six length stops are provided and these can be identified with the position of the turret head by means of the colour strips adjacent to each screw which correspond with similar colour markings on the turret head.

Collets for it, style 1027, are of the "dead length" type. Sizes from 5/8 to 1" x 32nds., also 3 mm. to 16 mm. x 1 mm. increments.

When using the collet attachment for bar work in conjunction with the turret attachment the addition of the No. 1458 cut-off slide, which has both front and rear stoplocks, gives provision for both parting off and forming. The bell between the front and rear toolposts provides clearance for the turret tooling. Adjustable stops are provided for both front and rear tooling.

The lever operated tailstock attachment, No. 1460A, can readily be interchanged with the standard handwheel whenever a numb of components have to be drilled or centre A stop screw with adjustable nuts is fitted for accurate depth control.

ACCESSORIES
The range of centres, of No. 2 H.T., includes 75/1248 hard centre for tailstock, 75/1249 soft centre for headstock, 153 square centre, 154 half centre, 155 hollow centre, 1861 wood prong centre and 169 fluted centre.

The drill pads 170 plain and 171 vees, are made to fit on to a stub arbour, the 155 hollow centre having a parallel portion as the front end for this purpose.

The swivelling vertical slide 68/L is attached to the cross slide when the top slide and top slide base have been removed. An adjustable fence, also the necessary arbor for the circular saw and one 5" diameter saw for metal are supplied with it.

Circular saw table No. 1407 fits on the front of the Lathe cross slide when the top slide and top slide base have been removed. An adjustable fence, also the necessary arbor for the circular saw and one 5" diameter saw for metal are supplied with it.

Spare saws for the circular saw table are No. 1431 which is a 5" diameter saw for metal and No. 1432 which is a 6" diameter saw for wood.

The connecting rod boring fixture, No. 1409, which is supplied complete with boring bar and three cutters for boring various sizes of big end bearings mounted direct on to the cross slide and incorporates a sliding vee block for securing the small end of the rod using a gudgeon pin for location.

No. 1495 dividing attachment is arranged for mounting on to either the 67/1 plain or 68/1 swivelling vertical slide. It is complete with two division plate covers all numbers up to 50 and all even numbers up to 100 excepting 88. A pair of extra division plates, No. 1471, covers No. 88 and all the remaining odd numbers up to 100.

The plain vertical slide 67/1 is attached to the cross slide by means of two tee bolts. The slide table is 5½" x 14"; the feedscrew is 10 TPI and is fitted with a micrometer dial having .001" graduations.

A taper turning attachment, No. 1429, is arranged for boring on to a machined facing at the back of the bed. The holes for the securing screws are so arranged that the attachment can be used along any portion of the bed. Angular movement is 10° either side of zero. The slide base is 9" long giving a working length for taper turning of 6".

The thread dial indicator, No. 1419, is attached to the right hand side of the apron by means of a stud inserted in the tapped hole provided. It eliminates the necessity of reversing the Lathe to return the carriage to the starting point in order to pick up successive cuts when screw cutting. The dial is numbered and graduated to show when the half nuts should be closed on the leadscrew for subsequent cuts.

A taper turning attachment, No. 1429, is arranged for boring on to a machined facing at the back of the bed. The holes for the securing screws are so arranged that the attachment can be used along any portion of the bed. Angular movement is 10° either side of zero. The slide base is 9" long giving a working length for taper turning of 6".

The lead screw handwheel, No. 1438, has 125 divisions each representing .001" The pointer for it is attached to the bed by means of a single screw inserted into the tapped hole provided. This accessory can be used in order to obtain a fine hand feed to the carriage or for accurate length work during turning, boring or milling operations.

Work which is too large for mounting on to the standard 6½" diameter faceplate can be mounted on to the No. 1437 faceplate which is 9" diameter. It has eight radial slots for the securing bolts for workpieces or angle plates, etc.

Four tools can be kept mounted ready for immediate use in the No. 1410 four tool turret. An indexing ring, which is located by the toolpost stud and secured to the top slide by three screws, gives eight positions for the turret either square with, or at 45° to, the top slide. A spring loaded plunger provides positive location in any one of the eight positions. It is designed for use with ½" square tools or cutter bit blanks.

A three point steady is essential for the facing and centring of long shafts or for turning shafts which are beyond the regular capacity of the Lathe. No. 1412 fixed steady, capacity, 2" diameter bar, has a hinged cap to facilitate loading and unloading and three reversible adjustable bronze bearing steady shoes. It is located between the bed guides and clamped by a single nut.

The drills pads 170 plain and 171 vees, are made to fit on to a stub arbour, the 155 hollow centre having a parallel portion as the front end for this purpose.

The swivelling vertical slide 68/1 is attached to the cross slide by means of a single screw which is arranged to pivot in both vertical and horizontal planes. The angle bracket which has large face contact faces for maximum rigidity is graduated for both movements. The table size is 5½" x 14" and the feedscrew is fitted with a micrometer dial having .001" graduations.

Long slender shafts require a support adjacent to the tool in order to prevent the work springing under the cutting action. The No. 1413 travelling steady is secured by a single bolt to the facing on the left hand side of the saddle. It has two reversible adjustable bronze bearing steady shoes and will accommodate up to 2" diameter.

The quick setting tools in 18°/° tungsten high speed steel are available with ½" square shanks, No. 107 and ¾" square shanks, No. 108. A range of 12 selected shapes is available in each size covering all normal turning operations including external and internal screwing, boring etc. Quick setting tools with tungsten carbide tips are available in 1" size only.

The range of centres, of No. 2 H.T., includes 75/1248 hard centre for tailstock, 75/1249 soft centre for headstock, 153 square centre, 154 half centre, 155 hollow centre, 1861 wood prong centre and 169 fluted centre.

The leadscrew handwheel, No. 1438, has 125 divisions each representing .001" The pointer for it is attached to the bed by means of a single screw inserted into the tapped hole provided. This accessory can be used in order to obtain a fine hand feed to the carriage or for accurate length work during turning, boring or milling operations.
ACCESSORIES

Long Cross Slide No. 1467 is 18" longer than the standard and has an extra tee slot. The use of this slide leaves ample space for the work piece between the front and rear tools when the latter is mounted in the No. 1468 rear tool post.

The rear tool post, No. 1468, may be used on either the standard or the long cross slide, though the latter is preferable due to the fact that the space between the tools is otherwise restricted. Tools held in it are inverted so that the Lathe runs in the normal direction of rotation. It will accommodate tools having shanks up to 1" square.

Patent Collets, No. 1034, fit directly into the headstock spindle and require only the No. 1438 nose piece and No. 1439 collet closing tube. The latter is intended for closing the collet to simplify insertion into, or removal from, the nose piece. Collets are available in 32nd increments in sizes 8", 9", and from 2 to 15.5 mm in 0.5 mm increments. For convenience of storage a polished hardwood case, No. 1464, holds 15 collets, plus the nose piece and collet closing tube.

Vee Blocks No. 73-3" x 1" x 1/4" and No. 74-4" x 2" x 1/2" are in cast iron and are provided with bush lugs so that they can be readily clamped to the cross slide, the vertical slides or the faceplate.

Carriers (Lathe Dogs) No. 85. Available in three sizes-1", 2", and 3" capacity; these are in phosphor bronze and are provided with square head clamping screws.

Faceplate Clamps No. 86. These are in sets of four, and are 2½" long. They are suitable for clamping work not only to the faceplate but also to the cross slide and to the vertical slides.

Boring Bar No. 228, intended for use between centres. It is 13½" long and is complete with three H.S.S. cutters and a cotton pin.

Sets of our tee bolts and nuts. 1996-6" long and 1997-3" long are suitable for clamping work to the faceplate, the cross slide or the vertical slides. No. 2402 are provided specially for clamping the No. 71 vice to the cross slide or the vertical slides.

In certain locations it is necessary that the Lathe should run exceptionally quietly and in order to achieve this, particularly where it is used chiefly on the high speeds, the 18 and 20 tooth gears on the tumble reversing lever may be replaced by similar gears made in Tufnol, No 1781-18 tooth and No. 1782-20 tooth.

For exceptionally fine feed the standard cluster gear on the tumble reversing swing pin may be removed and replaced by the fine feed tumbling cluster No. 1974. In conjunction with the standard change wheel this will give fine feeds down to 0.0018" per revolution of the headstock spindle. For models ML7 and ML7T, not MLTB or MLTBT.

Precision Ground Surface Plates in cast iron with edges machined square and complete with handles are available in three sizes. No. 31002-3" x 3". No. 31003-5" x 3½" and No. 31004-10" x 7½".

The Safe Work Light No. 60/007 is complete with transformer, arm in three parts to give full adjustment of movement, shade and bulb. The output is 25 volts 40 watts. When ordering state exact input voltage.

Designs and Specifications subject to change without notice.